

WEST Search History

DATE: Friday, October 31, 2003

| <u>Set Name</u> | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> |
|---|--|------------------|-----------------|
| side by side | | | result set |
| <i>DB=USPT; PLUR=YES; OP=AND</i> | | | |
| L1 | recombinant\$ near5 bili\$ | 10 | L1 |
| <i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=AND</i> | | | |
| L2 | recombinant\$ near5 bili\$ | 23 | L2 |
| L3 | (\$biliprotein or biliprotein\$ or \$bili-protein or bili-protein\$) | 410 | L3 |
| L4 | L3 same fusion | 31 | L4 |
| L5 | L4 not L2 | 27 | L5 |

END OF SEARCH HISTORY

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|---|------------------|
| 1 | 2 | ("'6232107'").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/10/31 12:41 |
| 2 | 1 | (('6232107')).PN.) and phycobiliprotein | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/10/31 12:42 |

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|-------------------------------------|------------------|
| 1 | 67 | biliprotein\$1 | USPAT; US-PPGPUB; EPO; JPO; DERWENT | 2003/10/31 10:07 |
| 2 | 23 | biliprotein\$1 and fusion | USPAT; US-PPGPUB; EPO; JPO; DERWENT | 2003/10/31 10:08 |
| 3 | 20 | (biliprotein\$1 and fusion) and domain\$1 | USPAT; US-PPGPUB; EPO; JPO; DERWENT | 2003/10/31 12:00 |
| 4 | 2 | (""6232107"").PN. | USPAT; US-PPGPUB; EPO; JPO; DERWENT | 2003/10/31 12:00 |

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2003:97917 CAPLUS
DN 138:148684

TI Engineering of living cells for the expression of holo-
phycobiliprotein-based constructs

IN Glazer, Alexander N.; Tooley, Aaron J.; Cai, Yuping

PA USA

SO U.S. Pat. Appl. Publ., 13 pp.
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | US 2003027285 | A1 | 20030206 | US 2001-919486 | 20010731 |
| | WO 2003012448 | A1 | 20030213 | WO 2002-US24245 | 20020730 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |

PRAI US 2001-919486 A 20010731

AB Recombinant cells which express a fluorescent holo-
phycobiliprotein fusion protein and methods of use are described.
The cells comprises a bilin, a recombinant bilin reductase, an apo-
phycobiliprotein fusion protein precursor of the fusion protein
comprising a corresponding apo-**phycobiliprotein** domain, and a
recombinant **phycobiliprotein** domain-bilin lyase, which
components react to form the holo-**phycobiliprotein** fusion
protein. Also described are holo-**phycobiliprotein** based
transcription reporter cells and assays, which cells conditionally express
a heterologous-to-the-cell, fluorescent, first holo-
phycobiliprotein domain.